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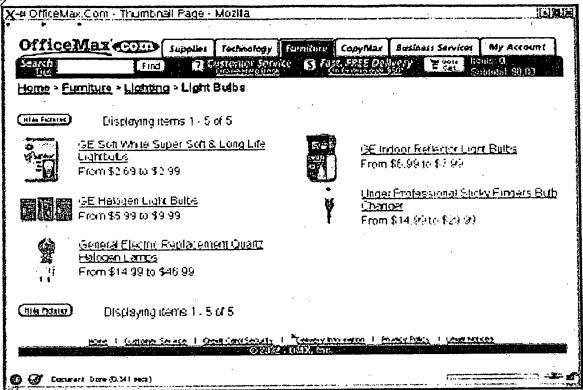


Figure 1

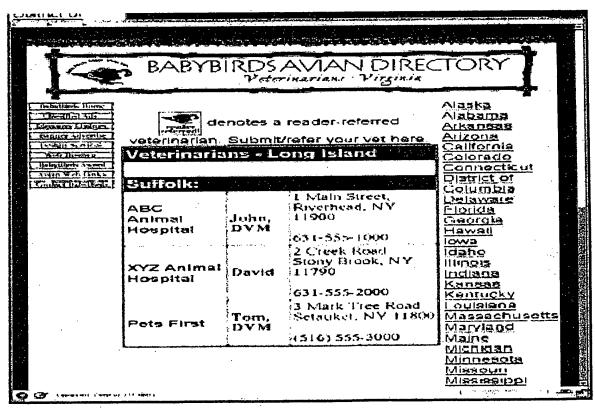


Figure 2

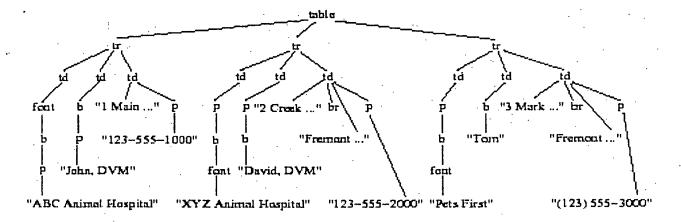
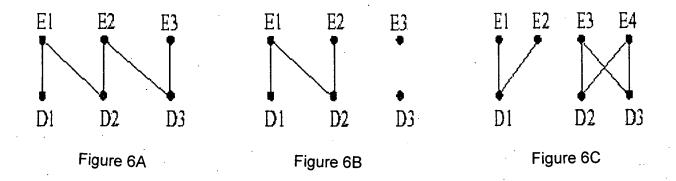


Figure 3

ontology(Veterinarian)={HospitalName, DoctorName, PhoneNumber} Extractor(HospitalName)=<keywork,{hospital, clinic}> Extractor(DoctorName)=<keyword,{DVM}> Extractorl(PhoneNumber)=<pattern,{[0-9]{3}-[0-9]{3}-{0-9}{4}}>

Figure 4



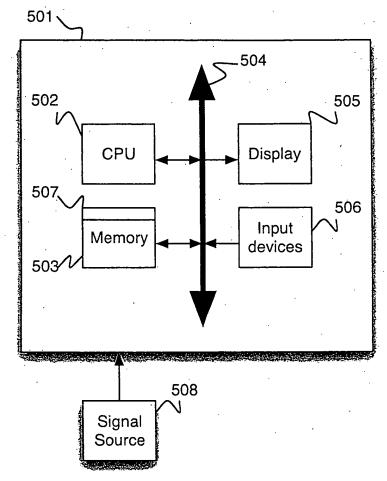


Figure 5

Attribute	Actual	Ontology	Nonredundant	Ambiguity
Name	Present	Identified	PAE	Resolution
Hospital	2060	1667	420	1903
Name		,	·	
Phone	1841	963	101	1256
Number				
Doctor	1705	453	34	1000
Name				

Figure 7A

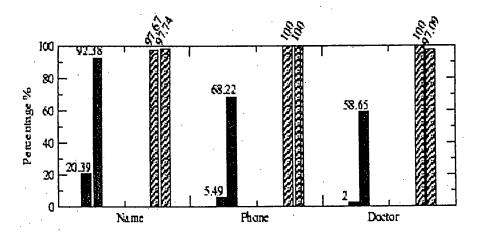


Figure 7B

Attribute Name	Consistent PAE #	Recall %	Precision %
Hospital Name	47	92.38	97.74
Phone Number	18	68.22	100
Doctor Name	7	58.65	100

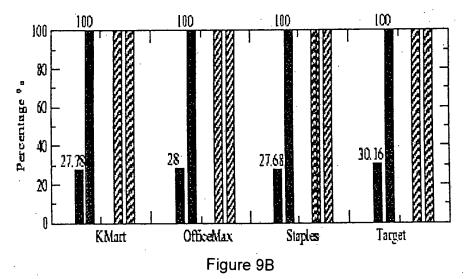
Figure 8A

Attribute Name	PAE #	Actual Present	Ontology Identified	Consistent PAE	Recall %	Precision %
Hospital Name	47	338	287	294	86.98	97.35
Phone Number	18	111	47	100	90.09	100
Doctor Name	7	39	26	32	82.05	100

Figure 8B

Site	Attribute	Actual	Ontology	Consistent
	Name	Present	Identified	PAE
KMart	Name	. 18	5	18
OfficeMax	Price	18	18	18
	Name	25	7	25
A	Price	25	25	25 99
Staples	Name	112	31	99
	Price	112	112	99
Target	Name	63	19	63
	Price	63	63	63

Figure 9A



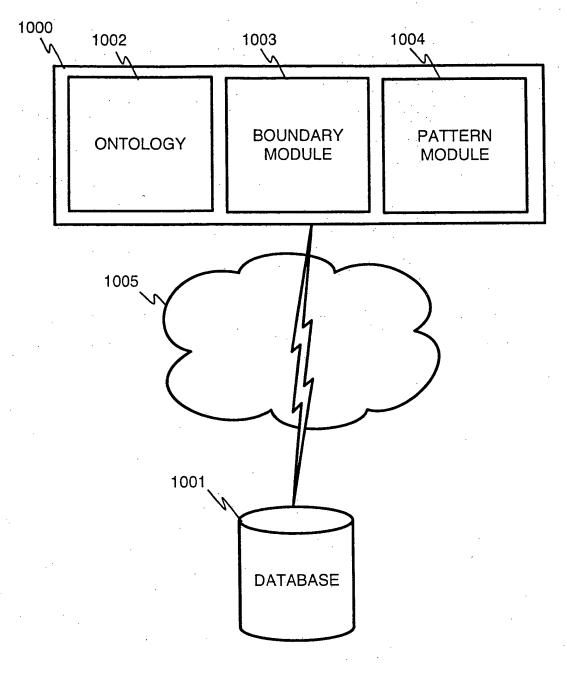


FIGURE 10